

GlobeHeat Datasheet : Product Code GHT 7001 to GHT 7007 and GHT 7101 to GHT 7107



Product Description

Superwool Plus meshed insulation mats provide improved handling strength and enhanced thermal properties, in addition to which large nuisance dust particles have been effectively eliminated making the product less irritating during use. Globe's range of meshed insulation mats exhibit outstanding insulating properties at elevated temperatures and have excellent thermal stability whilst retaining their original soft fibrous structure and strength up to its maximum continuous use temperature. Superwool Plus Insulation blanket is available as 96kg/m³ or 128kg/m³ density. To strengthen and protect the Superwool Plus insulation, the blanket is protected by a stainless-steel mesh covering forming a strong and resilient insulation mat.

General Application

Used to thermally insulate ceramic pad heating elements during pre and post weld heat treatment processes to minimise thermal losses and to eliminate large temperature differentials away from the heated zone. The insulation mats also provide protection for welders during preheating processes during welding operations.

Features

- Exceptional thermal insulating performance.
- Free of binder or lubricant.
- Immune to thermal shock.
- Low heat storage
- Good resistance to tearing.
- Flexible and resilient.
- Reduced irritation during use.
- High strength before and after heating.

Product Code:	Product:	Application:
GHT 7001	300mm x 300mm, 25mm thick, 96kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7002	300mm x 600mm, 25mm thick, 96kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7003	300mm x 900mm, 25mm thick, 96kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7004	600mm x 600mm, 25mm thick, 96kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7005	600mm x 900mm, 25mm thick, 96kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7006	600mm x 1200mm, 25mm thick, 96kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7007	600mm x 1800mm, 25mm thick, 96kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7101	300mm x 300mm, 25mm thick, 128kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7102	300mm x 600mm, 25mm thick, 128kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7103	300mm x 900mm, 25mm thick, 128kg/m ³	Insulating small diameter pipe heat treatments up to 1000°C or 1100°C short term
GHT 7104	600mm x 600mm, 25mm thick, 128kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7105	600mm x 900mm, 25mm thick, 128kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7106	600mm x 1200mm, 25mm thick, 128kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term
GHT 7107	600mm x 1800mm, 25mm thick, 128kg/m ³	Insulating a range of heat treatments up to 1000°C or 1100°C short term

Specifications

Density	96kg/m ³ and 128kg/m ³
Continuous use temperature	1000°C
Short term use	1100°C (Dependent upon application)
Thermal conductivity for 96kg/m ³ insulation	0.14 W/m.K at 600°C
Thermal conductivity for 128kg/m ³ insulation	0.12 W/m.K at 600°C
Chemical analysis %	SiO ₂ : 62-68, CaO: 26-32, MgO: 3-7, Other oxides: <3
Tensile strength of 96kg/m ³ blanket	55 kPa
Tensile strength of 128kg/m ³ blanket	75 kPa